

ABSTRACT OF THE DISCLOSURE

An object sorting system automatically inspects a plurality of objects and sorts acceptable objects from defective objects. The system includes a feed conveyor, a barrier, a sorting camera, at least one rejection valve and a processor. The feed conveyor receives a plurality of objects and moves the objects through an inspection area, which is defined by the barrier, which is placed across and above a top surface of the feed conveyor. The barrier is configured to redirect the plurality of objects and cause the objects to rotate about an object axis such that the sorting camera can capture an image of each of the plurality of objects as the objects rotate and move through the inspection area.